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#2(TDS)

Attorney Docket No.: NMTI 1002-3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application

Inventor(s): Christophe Pierrat and Michel Luc Cote

Appl. No.: 09/932,239

Confirm. No.: 4845

Filed: 17 August 2001

Title: Phase Conflict Resolution for Photolithographic
Masks

Art Unit: 1756

Examiner: *Unassigned*

Customer No. 30437

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56

Commissioner of Patents
Washington, DC 20231

Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56. If this is a continuation, divisional or continuation-in-part application, it is understood that the Examiner will consider all information which was considered by the Office in a parent application. MPEP §609. Such information therefore is not listed herein unless it is desired that the information be printed on a patent issuing from the subject application.

Enclosed with this statement are the following:

- ✓ Form PTO-1449. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. §609.
- ✓ A copy of each cited document as required by 37 C.F.R. §1.98. Copies are not submitted of documents previously submitted by the applicant in a parent application from which benefit under 35 U.S.C. §120 is claimed, 37 C.F.R. §1.98(d)(1), with an information disclosure statement submitted in the parent application which complies with the Sept. 8, 2000 or subsequent revision of 37 C.F.R. §1.98(a-c). If any of the cited/submitted documents is in a foreign language, a concise explanation of relevance is provided pursuant to 37 C.F.R. §1.98(a)(3)(i). For foreign language documents cited in a search report by a foreign patent office, the requirement for a concise explanation of relevance is satisfied by the submission herewith of an English language version of the search report. MPEP §609A(3). If a written English-language translation of a non-English language document, or portion thereof, is within the possession, custody or control of, or is readily available to any individual designated in §1.56(c), a copy of the translation accompanies this statement, 37 C.F.R. §1.98(a)(3)(ii), and satisfies the requirement for a concise explanation of relevance, MPEP §609A(3).

— **PTA Statement under 37 C.F.R. §704(d).** Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the information disclosure statement.

This statement should be considered because:

✓ **37 C.F.R. §1.97(b).** This statement qualifies under 37 C.F.R. §1.97, subsection (b) because:

- (1) It is being filed within three months of the filing date of an application other than a continued prosecution application under § 1.53(d);
-- OR --
- (2) It is being filed within 3 months of entry of a national stage;
-- OR --
- (3) It is being filed before the mailing date of the first Office Action on the merits,
-- OR --
- (4) It is being filed before the mailing date of the first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114.

— **37 C.F.R. §1.97(c).** Although it may not qualify under subsection (b), this statement qualifies under 37 C.F.R. §1.97, subsection (c) because:

- (1) It is being filed before the mailing date of a FINAL office action, a Notice of Allowance, or an action that otherwise closes prosecution in the subject application, whichever occurs first.

-- AND (check at least one of the following) --

- (1) It is accompanied by a STATEMENT as set forth in 37 C.F.R. §1.97(e).
-- OR --
— (2) It is accompanied by the \$180 fee set forth in 37 C.F.R. §1.17(p).

— **37 C.F.R. §1.97(d).** Although it may not qualify under subsection (b) or (c), this statement qualifies under 37 C.F.R. §1.97, subsection (d) because:

- (1) It is being filed on or before payment of the issue fee;
-- AND --
- (2) It is accompanied by a STATEMENT as set forth in 37 C.F.R. §1.97(e);
-- AND --
- (3) It is accompanied by the \$180 fee set forth in 37 C.F.R. §1.17(p).

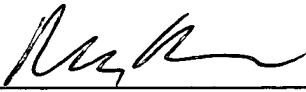
Application No. 09/932,239

✓ **Fee Authorization.** The Commissioner is hereby authorized to charge underpayment of any additional fees or credit any overpayment associated with this communication to Deposit Account No. 50-0869. A duplicate copy of this authorization is enclosed.

Respectfully submitted,

HAYNES BEFFEL & WOLFELD LLP

Date: 13 March 2002

By: 
Mark A. Haynes, Reg. No. 30,846

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INFORMATION DISCLOSURE CITATION PTO-1449			Atty. Docket No. NMTI 1002-3 Applicant PIERRAT, Christophe Filing Date 8/17/2001				Serial No. 09/932,239 Group 1756 Not Yet Assigned	
U.S. PATENT DOCUMENTS								
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE		
	4,037,918	7/26/1977	Kato	350	3.5	7/31/1975		
	4,456,371	6/26/1984	Lin	355	71	6/30/1982		
	5,302,477	4/12/1994	Dao, et al.	430	5	8/21/1992		
	5,308,741	5/3/1994	Kemp	430	312	7/31/1992		
	5,316,878	5/31/1994	Saito, et al.	430	5	6/4/1992		
	5,324,600	6/28/1994	Jinbo, et al.	430	5	7/7/1992		
	5,328,807	7/12/1994	Tanaka, et al.	430	311	6/7/1991		
	5,334,542	8/2/1994	Saito, et al.	437	40	11/18/1992		
	5,352,550	10/4/1994	Okamoto	430	5	4/23/1993		
	5,364,716	11/15/1994	Nakagawa, et al.	430	5	9/3/1992		
	5,424,154	6/13/1995	Borodovsky	430	5	12/10/1993		
	5,480,746	1/2/1996	Jinbo, et al.	430	5	5/16/1994		
	5,496,666	3/5/1996	Chu, et al.	430	5	10/27/1994		
	5,498,579	3/12/1996	Borodovsky, et al.	437	250	6/8/1994		
	5,503,951	4/2/1996	Flanders, et al.	430	5	4/17/1995		
	5,523,186	6/4/1996	Lin, et al.	430	5	12/16/1994		
	5,527,645	6/18/1996	Pati, et al.	430	5	11/17/1994		
	5,532,090	7/2/1996	Borodovsky	430	5	3/1/1995		
	5,537,648	7/16/1996	Liebmann, et al.	395	500	8/15/1994		
	5,538,815	7/23/1996	Oi, et al.	430	5	9/14/1993		
	5,539,568	7/23/1996	Lin, et al.	359	285	6/7/1995		
	5,565,286	10/15/1996	Lin	430	5	11/17/1994		
	5,573,890	11/12/1996	Spence	430	311	7/18/1994		

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	PIERRAT, Christophe	
	Filing Date	Group
	8/17/2001	1756 Not Yet Assigned

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	5,595,843	1/21/1997	Dao	430	5	3/30/1995
	5,620,816	4/15/1997	Dao	430	5	10/13/1995
	5,635,316	6/3/1997	Dao	430	5	10/13/1995
	5,636,131	6/3/1997	Liebmann, et al.	364	490	5/12/1995
	5,702,848	12/30/1997	Spence	430	5	8/23/1996
	5,725,969	3/10/1998	Lee	430	5	12/22/1995
	5,761,075	6/2/1998	Oi, et al.	364	488	5/31/1996
	5,766,804	6/16/1998	Spence	430	5	8/23/1996
	5,766,806	6/16/1998	Spence	430	5	9/9/1996
	5,807,649	9/15/1998	Liebmann, et al.	430	5	10/31/1996
	5,827,623	10/27/1998	Ishida, et al.	430	5	10/30/1996
	5,858,580	1/12/1999	Wang, et al.	430	5	9/17/1997
	5,885,734	3/23/1999	Pierrat, et al.	430	5	8/15/1996
	5,923,566	6/13/1999	Galan, et al.	364	489	3/25/1997
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	6,010,807	1/4/2000	Lin	430	5	4/7/1998
	6,057,063	5/2/2000	Liebmann, et al.	430	5	4/14/1997
	6,066,180	5/23/2000	Kim, et al.	716	19	3/15/1999
	6,077,630	6/20/2000	Pierrat	430	5	1/8/1998
	6,083,275	7/4/2000	Heng, et al.	716	19	1/9/1998
	6,228,539 B1	5/8/2001	Wang, et al.	430	5	1/12/1999

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EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	6,251,549 B1	6/26/2001	Levenson	430	11	10/28/1999
	6,258,493 B1	7/10/2001	Wang, et al.	430	5	7/17/2000

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	8/17/2001	<u>1756</u> Not Yet Assigned

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EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	JP 6-67403	3/11/1994	JP			<input checked="" type="checkbox"/>	<input type="checkbox"/>
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	8-51068	2/20/1996	JP			<input checked="" type="checkbox"/>	<input type="checkbox"/>
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	EP 0 464 492 A1	1/8/1992	EP			<input type="checkbox"/>	<input type="checkbox"/>
	EP 0 653 679 A2	5/17/1995	EP			<input type="checkbox"/>	<input type="checkbox"/>
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	8-236317	9/6/1996	JP			<input type="checkbox"/>	<input type="checkbox"/>
	10-133356	5/22/1998	JP			<input type="checkbox"/>	<input type="checkbox"/>
	11-143085	5/28/1999	JP			<input type="checkbox"/>	<input type="checkbox"/>
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	DE 195 45 163 A1	6/5/1996	DE			<input type="checkbox"/>	<input type="checkbox"/>

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
EXAMINER'S INITIALS	CITATION		
	Ackmann, P., et al., "Phase Shifting and Optical Proximity Corrections to Improve CD Control on Logic Devices in Manufacturing for Sub 0.35 um I-Line", Advance Micro Devices (8 pages).		
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EXAMINER'S INITIALS	CITATION		
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EXAMINER'S INITIALS	CITATION		
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		Applicant PIERRAT, Christophe	Filing Date 8/17/2001
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